

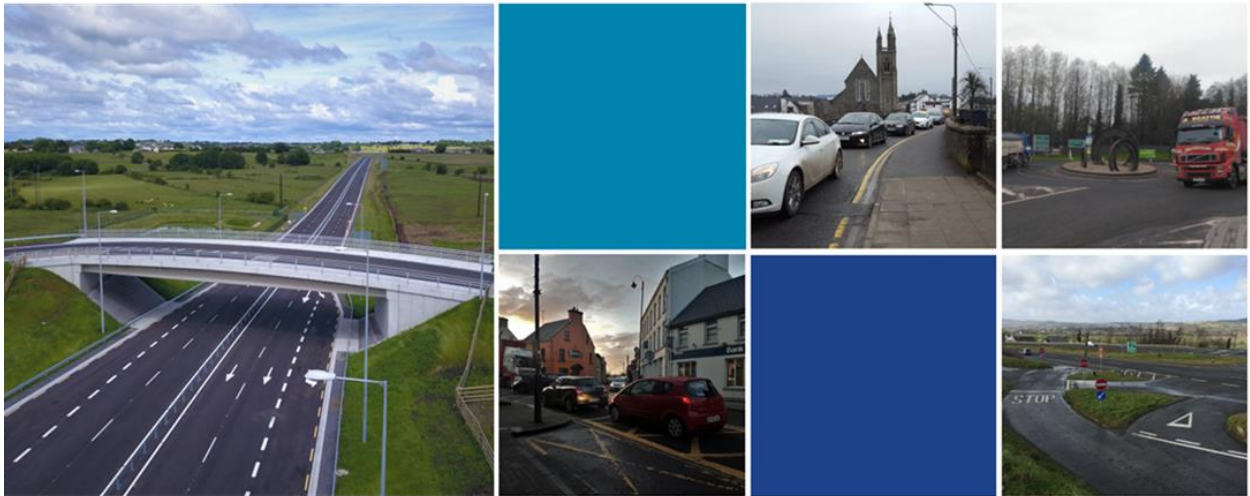


Comhairle Contae  
Dhún na nGall  
Donegal County Council



# TEN-T Priority Route Improvement Project, Donegal

## Phase 2, Option Selection Report Volume G3 – Section 3 Stage 1 Option Selection Matrices



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# Volume G3 - Section 3 Stage 1 Option Selection Matrices

Section 3 Stage 1 Option Selection Matrices

**Section 3 - Manorcunningham to Lifford/Strabane/A5 Link  
Stage 1 Option Selection Matrices**

Option Reference	BLUE OPTION CORRIDOR OPTIONS 3A1 AND 3A2								RED OPTION CORRIDOR OPTIONS 3B1 AND 3B2				PURPLE OPTION CORRIDOR OPTION 3D				
	Considered one option with a variation				Considered one option with a variation				Considered one option with a variation				Considered one option with a variation				
	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.10	3.11	3.12	3.13	3.14	3.15	3.16	3.17
Segments	B01 R01 R02 P04 P05 R04 R05 R06 B05	B01 R01 R02 P04 P05 R04 R05 P09 G04 B05	B01 R01 R02 P04 P05 P06 B04 G03 G04 B05	B01 R01 R02 R04 P05 P06 G01 G02 G03 G04 B05	B01 R01 R03 DG04 P05 R04 R05 R06 B05	B01 R01 R03 DG04 P05 R04 R05 P09 G04 B05	B01 R01 R03 DG04 P05 P06 B04 G03 G04 B05	B01 R01 R03 DG04 P05 P06 G01 G02 G03 G04 B05	B01 R01 R03 DG03 R06 B05	B01 R01 R03 DG03 P09 G04 B05	B01 R02 R03 P04 P05 R04 R05 R06 B05	B01 R02 R03 P04 P05 R04 R05 P09 G04 B05	B01 R02 R03 P04 P05 P06 B04 G03 G04 B05	B01 R02 R03 P04 P05 P06 G01 G02 G03 G04 B05	B01 R02 DG02 C01 G01 G02 G03 G04 B05	B01 R02 DG02 C01 P04 P05 R04 R05 R06 B05	B01 R02 DG02 C01 P04 P05 R04 R05 P09 G04 B05
Road Length (Mainline)	18088	18423	17949	18063	18390	18725	18251	18365	18230	18565	17533	17868	17394	17508	17547	17738	18073
Number of road crossings	28	28	24	26	30	30	26	28	31	31	24	24	20	22	23	28	28
Number of Primary/Regional roads accessed	4	4	3	3	4	4	3	3	4	4	4	4	4	4	4	4	4
Length of Link Roads/Side Roads	10935	10940	8955	8765	9550	9420	7240	7015	6410	6860	11145	11595	8675	8485	7281	10535	10985
Number of strategic services crossed	4	4	4	4	4	4	4	4	6	6	4	4	4	4	5	4	4
Major River Crossings	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Other Watercourse Crossings	15	17	17	18	15	17	17	18	12	14	16	18	18	19	16	16	18
Length of road within flood plain in metres (1:100 year)	545	495	475	475	545	495	475	475	545	495	545	495	475	475	475	545	495
Road Safety Assessment (benefit to road safety for whole network)																	
Earthworks - Cut / Fill balance	-350,135.830	925,215.472	224,772.471	165,808.511	-423,448.525	851,902.777	151,459.776	92,495.816	-329,073.681	946,277.621	-650,127.000	625,224.264	-75,218.790	-134,182.796	-367,920.764	-725,077.655	550,273.609
Alignment Constraints, Ac = 6.6+B/10	10.796	11.082	10.959	11.097	11.630	11.874	11.779	11.903	10.571	10.845	10.809	11.103	10.976	11.118	11.128	10.815	11.127
Green	3.000	2.000	2.000	2.000	2.000	2.000	3.000	4.000	4.000	3.000	2.000	2.000	5.000	3.000	4.000	2.000	2.000
Orange	6.000	6.000	9.000	9.000	4.000	4.000	7.000	5.000	5.000	5.000	6.000	7.000	6.000	8.000	7.000	6.000	7.000
Red	2.000	3.000	0.000	0.000	5.000	5.000	1.000	2.000	2.000	3.000	3.000	2.000	0.000	0.000	0.000	3.000	2.000
Average score	2.091	1.909	2.182	2.182	1.727	1.727	2.182	2.182	2.182	2.000	1.909	2.000	2.455	2.273	2.364	1.909	2.000
Planning and Development - length of road within zoned land	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Geology - length of road over peat or soft ground	830	830	800	815	815	825	790	841	825	825	990	1235	1200	1370	1580	990	1235
Ecology - length of road within SACs & SPA's	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact
Ecology - length of road within NHA's & pNHA's	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	1080m - high indirect impact. Risk of direct impact	1080m - high indirect impact. Risk of direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact
Ecology - length of road within mature woodland	0	0	0	0	0	0	0	0	0	600	600	0	0	0	0	0	0
Landscape and Visual - length of road within high landscape sensitivity	11730	11895	12131	12300	12431	12596	12832	13000	12616	12781	11175	11340	11576	11745	11230	11380	11545
Archaeology and Cultural Heritage - number of RHM / RMPs direct hits	1	0	0	0	1	0	0	0	1	0	1	0	0	0	0	1	0
Archaeology and Cultural Heritage - number of RHM / RMPs within 300m	14	13	15	15	14	13	15	15	13	12	11	10	12	12	9	12	11
Agriculture (Length of option within Agricultural Land)	18088	18423	17949	18063	18390	18725	18251	18365	18230	18565	17533	17868	17394	17508	17547	17738	18073
Residential / Private Properties - direct hits	1	1	0	0	1	1	0	0	1	1	1	1	0	0	0	1	1
Air quality / noise / vibration - properties within 300m	495	487	481	483	486	478	472	474	484	476	529	521	515	517	529	545	537
Communities severed	2	1	1	1	2	1	1	1	2	1	2	2	2	2	4	2	2
Community impacts (schools, sports grounds & churches etc)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Green	6.000	8.000	9.000	9.000	6.000	8.000	9.000	9.000	4.000	6.000	6.000	6.000	8.000	7.000	8.000	6.000	6.000
Orange	6.000	5.000	4.000	4.000	6.000	5.000	4.000	4.000	6.000	5.000	5.000	7.000	5.000	6.000	3.000	5.000	6.000
Red	1.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	3.000	2.000	2.000	0.000	0.000	0.000	2.000	2.000	1.000
Average score	2.385	2.615	2.692	2.692	2.385	2.615	2.692	2.692	2.077	2.308	2.308	2.462	2.615	2.538	2.462	2.308	2.385

Average Scores were calculated based on the number of Green, Orange and Reds. The average scores are not directly utilised in choosing options, but give an indication of the overall performance of each option for consideration during comparison and shortlisting. The significance of individual impacts is also a consideration in identifying options to be shortlisted.

<b>Total Average Score</b>	<b>5.476</b>	<b>5.524</b>	<b>7.874</b>	<b>7.874</b>	<b>6.112</b>	<b>5.343</b>	<b>7.874</b>	<b>7.874</b>	<b>6.259</b>	<b>6.308</b>	<b>6.217</b>	<b>6.462</b>	<b>8.070</b>	<b>7.811</b>	<b>6.825</b>	<b>6.217</b>	<b>6.385</b>
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Option Elimination	Archaeology Side road Length Flood Plain Cost	Length, Earthworks, side road Length, Cost	Archaeology, Length, side road Length, Road crossings, Alignment	Length, side road Length, Road Crossings, Earthworks, Alignment constraint, Length, Cost	Ecology, Archaeology, Road crossings, Flood Plain	Ecology, Length, Earthworks, Road crossings	Archaeology, side road length, Earthworks, Flood Plain, Air Quality	Archaeology, Earthworks, side road Lengths, Flood Plain, Air Quality	Earthworks, side roads, Air Quality	
Step 1 - Contributing Reasons for Elimination										
Step 2 - Mini Competition					Compared with Options 3.3/3.4 - Eliminated on Alignment, Length	Compared with Options 3.3/3.4 - Eliminated on Alignment, Length	Compared with Options 3.13 - Eliminated due to Length, Side roads, Earthworks, Cost, Residential Impact			
<b>Options Retained for Stage 2 Options Assessment</b>			<b>Shortlisted to Stage 2</b>	<b>Shortlisted to Stage 2</b>				<b>Shortlisted to Stage 2</b>	<b>Shortlisted to Stage 2</b>	<b>Shortlisted to Stage 2</b>

Section 3 - Manorcunningham to Lifford/Strabane/A5 Link  
Stage 1 Option Selection Matrices

		ORANGE OPTION CORRIDOR OPTIONS 3C1 AND 3C2										CYAN OPTION CORRIDOR OPTION 3E							
		Considered one option with a variation					Considered one Option with a variation												
Option Reference		3.18	3.19	3.20	3.21	3.22	3.23	3.24	3.25	3.26	3.27	3.28	3.29	3.30	3.31	3.32	3.33	3.34	3.35
Segments		B01 B02 D002 G01 P04 P05 P06 B04 G03 G04 B05	B01 B02 D002 G01 P04 P05 P06 G01 G02 G03 G04 B05	B01 P01 C01 C01 P04 P05 R04 R05 R06 B05	B01 P01 C01 C01 P04 P05 R04 R05 P09 G04 B05	B01 P01 C01 C01 P04 P05 P06 B04 G03 G04 B05	B01 P01 C01 C01 P04 P05 R04 R05 G01 G02 G03 G04 B05	B01 P01 C01 C02 C03 G02 G03 G04 B05	B01 DG01 C02 C03 G02 G03 G04 B05	B01 DG01 C01 P04 P05 R04 R05 R06 B05	B01 DG01 C01 P04 P05 R04 R05 P09 G04 B05	B01 DG01 C01 P04 P05 P06 B04 G03 G04 B05	B01 DG01 C01 P04 P05 P06 G01 G02 G03 G04 B05	L01 C03 G02 G03 G04 B05	L01 C03a L01 C03c G02 G03 G04 B05	B01 DG01 C02 C03a L01 C03c G02 G03 G04 B05	B01 P01 C01 C02 C03a L01 C03c G02 G03 G04 B05	B01 B02 D002 C02 C03a L01 C03c G02 G03 G04 B05	B01 DG01 C01 P04a L02 C03c G02 G03 G04 B05
Road Length (Mainline)		17599	17713	17448	17783	17309	17423	17257	17262	17453	17788	17314	17428	17392	17372	17242	17237	17527	17775
Number of road crossings		24	26	31	31	27	29	26	28	33	33	29	31	23	24	29	27	24	28
Number of Primary/Regional roads accessed		4	4	4	4	3	3	3	3	4	4	3	3	3	3	3	3	4	3
Length of Link Roads/Side Roads		9130	8990	10315	10450	9670	9530	7876	6496	9605	9540	8380	8045	5976	5711	6356	7536	6196	6360
Number of strategic services crossed		4	4	3	3	3	3	4	5	4	4	4	4	5	5	5	4	5	5
Major River Crossings		2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2
Other Watercourse Crossings		18	19	14	16	16	17	14	14	14	16	16	17	9	10	15	15	17	16
Length of road within flood plain in metres (1:100 year)		475	475	545	495	475	475	475	475	545	425	475	475	475	475	405	475	475	475
Road Safety Assessment (benefit to road safety for whole network)																			
Earthworks - Cut / Fill balance		-150,169,445	-209,133,451	-128,750,465	1,146,600,799	446,157,745	387,193,739	228,406,426	728,202,178	371,045,905	1,646,397,207	945,954,206	886,990,246	-167,082,897	-435,519,386	459,766,377	-40,030,436	-636,357,373	560,273,411
Alignment Constraints, Ac = 6.6+B/10		10.993	11.144	10.591	10.917	10.774	10.930	10.927	11.450	11.156	11.462	11.336	11.487	11.118	11.531	11.866	11.344	11.537	11.180
Green		2.000	2.000	3.000	2.000	4.000	2.000	3.000	4.000	2.000	2.000	3.000	2.000	6.000	5.000	4.000	4.000	3.000	3.000
Orange		9.000	9.000	5.000	6.000	6.000	8.000	8.000	5.000	6.000	5.000	7.000	6.000	4.000	4.000	6.000	7.000	6.000	7.000
Red		0.000	0.000	3.000	3.000	1.000	1.000	0.000	2.000	3.000	4.000	1.000	3.000	1.000	2.000	1.000	0.000	2.000	1.000
Average score		2.182	2.182	2.000	1.909	2.273	2.091	2.273	2.182	1.909	1.818	2.182	1.909	2.455	2.273	2.273	2.364	2.091	2.182
Planning and Development - length of road within zoned land		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Geology - length of road over peat or soft ground		1200	1370	990	1240	1195	1185	1575	1575	825	1040	800	815	1580	1595	1595	1595	1595	1595
Ecology - length of road within SACs & SPA's		0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact
Ecology - length of road within NHA's & pNHA's		0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact
Ecology - length of road within mature woodland		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Landscape and Visual - length of road within high landscape sensitivity		11781	11950	11090	11255	11491	11660	10940	10945	11095	11260	11496	11665	9790	9790	10945	10940	11230	11255
Archaeology and Cultural Heritage - number of RHM / RMPs direct hits		0	0	1	0	0	0	0	1	2	1	1	1	0	0	1	0	0	1
Archaeology and Cultural Heritage - number of RHM / RMPs within 300m		13	13	12	11	13	13	9	11	14	13	15	15	11	11	11	9	9	13
Agriculture (Length of option within Agricultural Land)		17599	17713	17448	17783	17309	17423	17257	17262	17453	17788	17314	17428	17392	17372	17242	17237	17527	17775
Residential / Private Properties - direct hits		0	0	3	3	2	2	2	4	5	5	4	4	0	1	5	3	2	4
Air quality / noise / vibration - properties within 300m		531	533	519	511	505	507	503	438	512	504	498	500	513	496	479	486	512	468
Communities severed		2	2	2	2	2	2	4	4	3	2	2	2	2	4	5	4	4	4
Community impacts (schools, sports grounds & churches etc)		0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	0	0	1
Green		7.000	7.000	7.000	6.000	7.000	7.000	8.000	5.000	6.000	4.000	6.000	6.000	8.000	7.000	5.000	8.000	7.000	4.000
Orange		5.000	5.000	5.000	7.000	6.000	6.000	4.000	4.000	4.000	6.000	4.000	4.000	5.000	5.000	4.000	4.000	5.000	5.000
Red		1.000	1.000	1.000	0.000	0.000	0.000	1.000	4.000	3.000	3.000	3.000	3.000	0.000	1.000	4.000	1.000	1.000	4.000
Average score		2.462	2.462	2.462	2.462	2.538	2.538	2.538	2.077	2.231	2.077	2.231	2.231	2.615	2.462	2.077	2.538	2.462	2.000
Estimated Total Scheme Cost		€158,272,517.00	€158,158,412.00	€157,510,017.00	€170,056,958.00	€159,932,117.00	€160,058,533.00	€157,460,650.00	€162,469,724.00	€161,392,767.00	€177,495,404.00	€165,800,058.00	€165,721,679.00	€161,004,812.00	€167,138,542.00	€162,456,081.00	€156,505,962.00	€163,294,856.00	€165,216,932.00
Green				1.000				1.000									1.000		
Orange		1.000	1.000			1.000	1.000		1.000	1.000		1.000	1.000	1.000	1.000			1.000	1.000
Red					1.000						1.000				1.000				
Average score		2.000	2.000	3.000	1.000	2.000	2.000	3.000	2.000	2.000	1.000	2.000	2.000	2.000	1.000	2.000	3.000	2.000	2.000

Average Scores were calculated based on the number of Green, Orange and Reds. The average scores are not directly utilised in choosing options, but give an indication of the overall performance of each option for consideration during comparison and shortlisting. The significance of individual impacts is also a consideration in identifying options to be shortlisted.

<b>Total Average Score</b>	<b>6.643</b>	<b>6.643</b>	<b>7.462</b>	<b>5.371</b>	<b>6.811</b>	<b>6.629</b>	<b>7.811</b>	<b>6.259</b>	<b>6.140</b>	<b>4.895</b>	<b>6.413</b>	<b>6.140</b>	<b>7.070</b>	<b>5.734</b>	<b>6.350</b>	<b>7.902</b>	<b>6.552</b>	<b>6.182</b>
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Option Elimination			Archaeology, Road Crossings, side roads, Flood Plain	Earthworks, Road Crossings, side roads, Cost			Archaeology, community impacts, Community Severance, Residential Impact, Earthworks, Alignment	Archaeology, community impacts, Residential Impact, Side road Length, Road Crossings, Flood Plain	Archaeology, community impacts, Residential Impact, Earthworks, Side road Length, Road Crossings, Cost	Archaeology, community impacts, Residential Impact, Earthworks	Archaeology, community impacts, Residential Impact, Earthworks, Alignment, Road Crossings	Community severance, Major river crossings, Alignment, Cost	Archaeology, community impacts, community severance, Residential Impact, Alignment		Community severance, Alignment, Cost	Earthworks, Alignment, community severance	Archaeology, community impacts, community severance, Residential Impact, Earthworks	
Step 1 - Contributing Reasons for Elimination																		
Step 2 - Mini Competition					Compared to Options 3.13 and 3.18 - Eliminated due to Earthworks, Residential hits and Cost	Compared to Options 3.13 and 3.18 - Eliminated due to Earthworks, Residential hits and Cost	Compared with Option 3.15 - Eliminated due to Residential Impact									Compared with Option 3.24 - Eliminated due to Residential Hits		
<b>Options Retained for Stage 2 Options Assessment</b>	<b>Shortlisted to Stage 2</b>	<b>Shortlisted to Stage 2</b>												<b>Shortlisted to Stage 2</b>				

Section 3 - Manorcunningham to Lifford/Strabane/A5 Link  
Stage 1 Option Selection Matrices

PINK OPTION  
CORRIDOR  
OPTION 3F

Option Reference	3.36	3.37	3.38	3.38a	3.38b	3.38c	3.39
Segments	B01 P01 G01 G02 G03 G04 L02 C03c	B01 B02 G02 G01 P04a L02 C03c G02 G03 G04 B05	B01 B02 B03 P04a L02 C03c G01 G03 G04 B05	B01 B02 B03 P04a L02 C03c G02 G03 M01	B01 B02 B03 P04a L02 C03c G02 G03 M02	B01 B02 B03 P04a L02 C03c G02 G03 F01	B01 B01 B02 P04a L02 C03c G02 G03 G04 B05
Road Length (Mainline)	17770	18060	17855	18519	18288	19099	18410
Number of road crossings	26	23	22	21	21	19	23
Number of Primary/Regional roads accessed	3	4	4	4	4	4	3
Length of Link Roads/Side Roads	7810	7180	6565	5900	6335	6335	7450
Number of strategic services crossed	4	5	5	5	5	5	5
Major River Crossings	2	2	2	2	2	2	2
Other Watercourse Crossings	16	18	18	18	18	17	17
Length of road within flood plain in metres (1:100 year)	475	475	475	475	475	475	475
Road Safety Assessment (benefit to road safety for whole network)							
Earthworks - Cut / Fill balance	60,476,598	-535,650,339	-460,899,848	3,574,426,203	3,431,502,133	7,488,443,453	-160,908,324
Alignment Constraints, Ac = 6.6+B/10	10.685	10.880	10.871	Option 38 with different termination links (alternatives to B05) at Lifford to determine the optimum termination. 38a, 38b and 38c were subsequently eliminated			10.858
Green	4.000	4.000	4.000	4.000	4.000	4.000	4.000
Orange	7.000	6.000	7.000	4.000	5.000	4.000	6.000
Red	0.000	1.000	0.000	2.000	1.000	2.000	1.000
Average score	2.364	2.273	2.364	2.200	2.300	2.200	2.273

Planning and Development - length of road within zoned land	0	0	0	0	0	0	0
Geology - length of road over peat or soft ground	1595	1595	1595	1595	1595	1595	1595
Ecology - length of road within SACs & SPA's	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact
Ecology - length of road within NHA's & pNHA's	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact	0 - Low indirect impact. No direct impact
Ecology - length of road within mature woodland	0	0	0	0	0	0	0
Landscape and Visual - length of road within high landscape sensitivity	11250	11540	11335	11555	11555	11555	11890
Archaeology and Cultural Heritage - number of RHM / RMPs direct hits	0	0	0	0	0	0	0
Archaeology and Cultural Heritage - number of RHM / RMPs within 300m	11	11	10	13	13	14	7
Agriculture (Length of option within Agricultural Land)	17770	18060	17855	18519	18288	19099	18410
Residential / Private Properties - direct hits	2	0	0	0	0	0	0
Air quality / noise / vibration - properties within 300m	475	501	485	199	263	233	415
Communities severed	4	3	3	3	3	2	3
Community impacts (schools, sports grounds & churches etc)	0	0	0	0	0	0	0
Green	6.000	7.000	7.000	8.000	8.000	8.000	9.000
Orange	6.000	6.000	6.000	5.000	5.000	4.000	4.000
Red	1.000	0.000	0.000	0.000	0.000	1.000	0.000
Average score	2.385	2.538	2.538	2.615	2.615	2.538	2.692

Estimated Total Scheme Cost	€157,575,829.00	€164,498,248.00	€161,804,973.00	€203,783,902.00	€197,166,542.00	€252,708,681.00	€159,046,878.00
Green	1.000						
Orange		1.000	1.000				1.000
Red				1.000	1.000	1.000	
Average score	3.000	2.000	2.000	1.000	1.000	1.000	2.000

Average Scores were calculated based on the number of Green, Orange and Reds. The average scores are not directly utilised in choosing options, but gives an indication of the overall performance of each option: the significance of individual impacts is also a consideration in identifying options to be shortlisted.

Total Average Score	7.748	6.811	6.902	5.815	5.915	5.738	6.965
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Step 1 - Contributing Reasons for Elimination				Length, Earthworks, Cost	Earthworks, Cost	Earthworks, Cost, Length, Agriculture	
Step 2 - Mini Competition	Compared with Option 3.39 - Eliminated on impact to dwellings and Communities	Compared with Option 3.38 - Eliminated on Length, Earthworks, Side roads, Cost,	Compared with Option 3.39 - Eliminated on Length, Earthworks, Side roads, Cost, archaeology				
Options Retained for Stage 2 Options Assessment							Shortlisted to Stage 2